

FIGURE 1

Wildtype Locus



Promoter exon(s)

SD

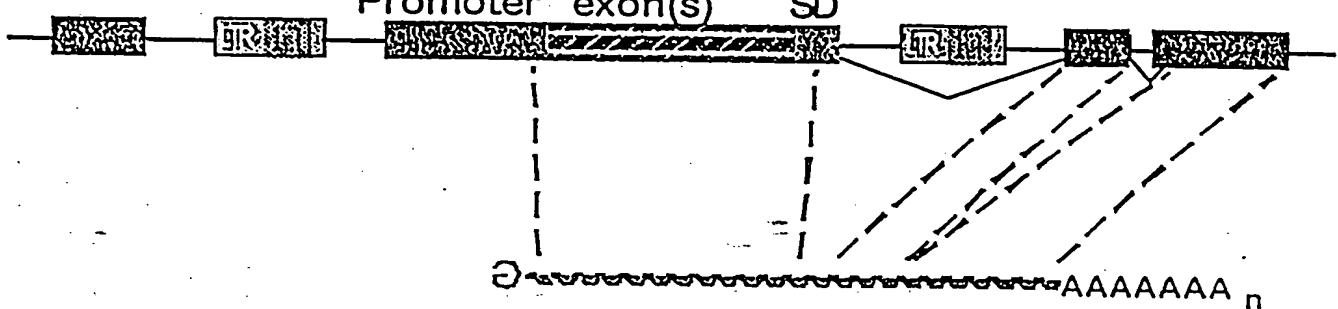


FIGURE 2

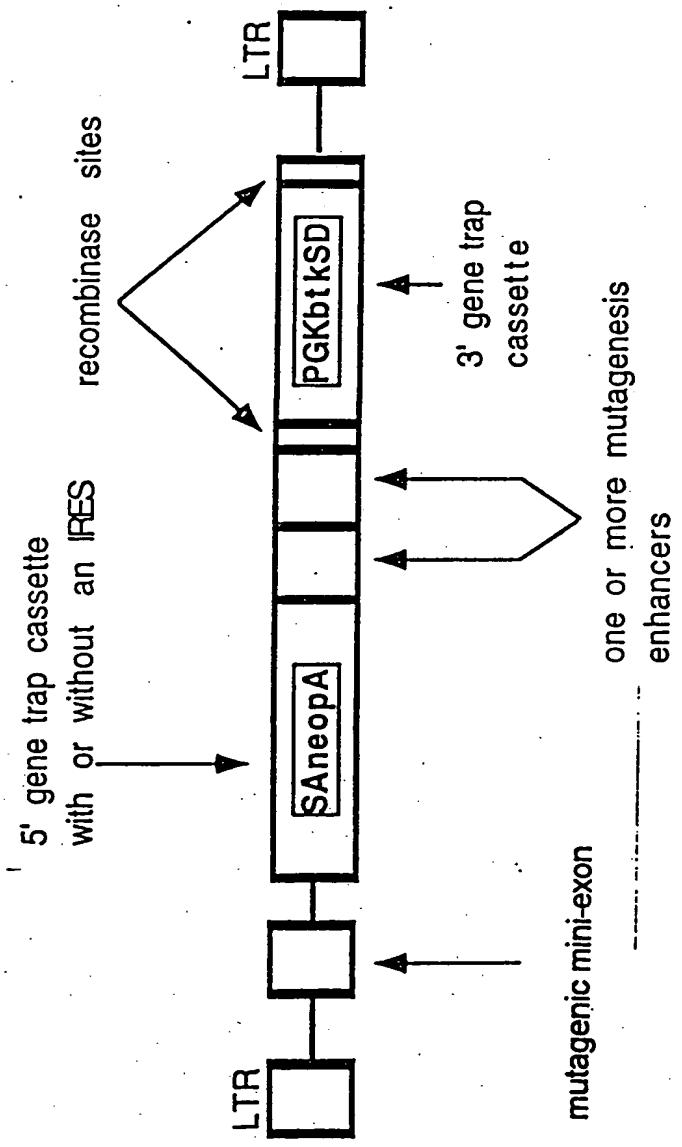


FIGURE 3a

5' CACGTCTGCAGATCATGAGGATGCTAACCTTGATGGCATGCACTATG
CGCGATGATCTGCAGACGTG3'

Predicted secondary structure and cleavage site for LEX-SCS1 transcribed RNA

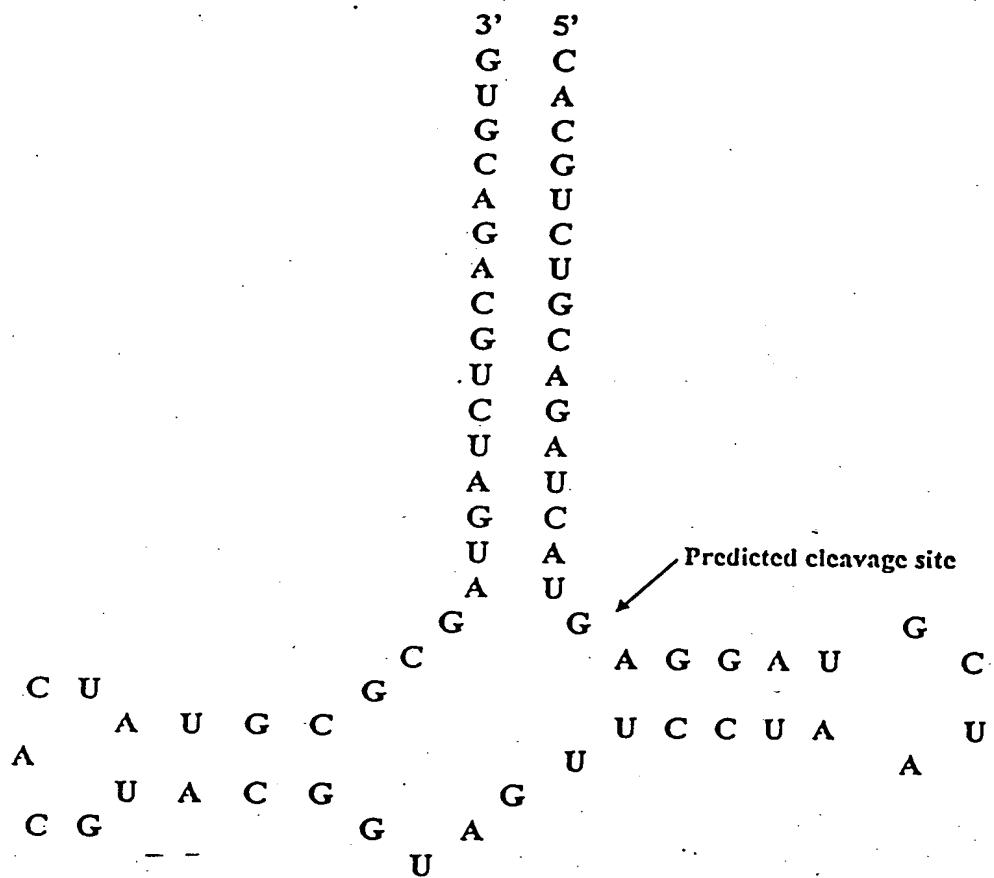


FIGURE 3b

5' CACGTCTGCAGTCCGGAGGAGTGTGTTCTCCTCCGCTGATGAGTCCG
TGAGGACGAAACTGCAGACGTG3'

Predicted secondary structure and cleavage site for LEX-SCS2 transcribed RNA

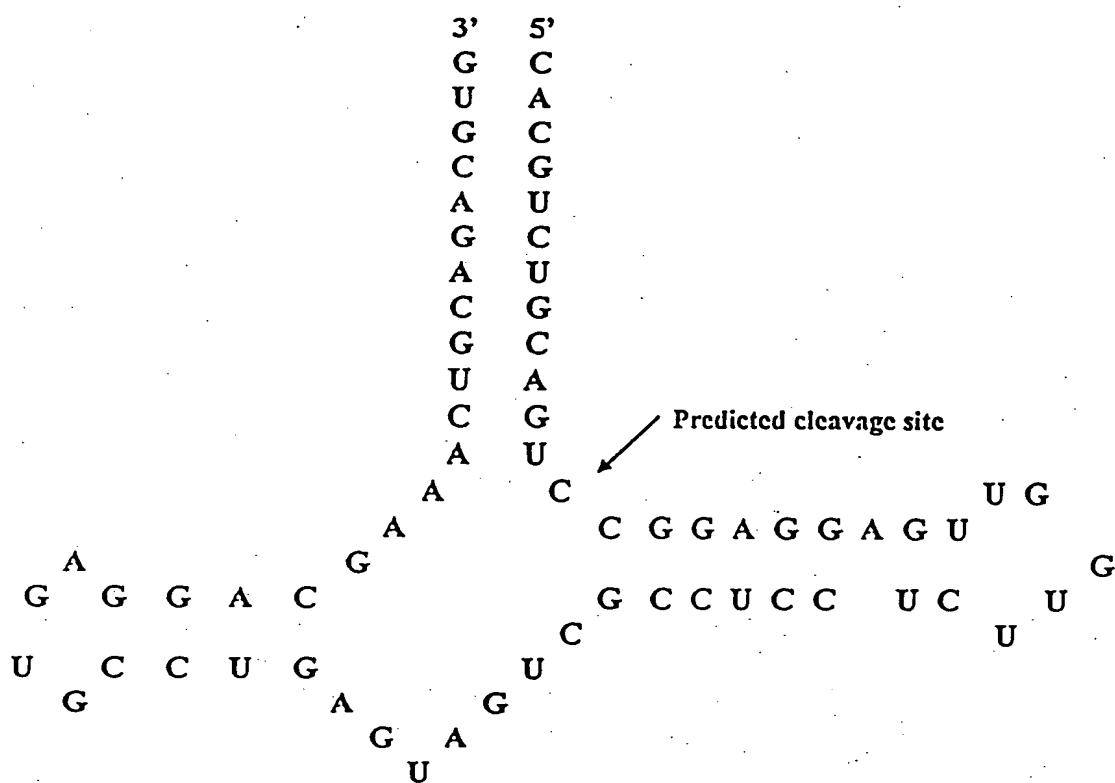


Figure 4

GGATCCGAATTCTCGAGGCTAAGCCAGTTCTGACTGCCTTCATCGATTGCTACTAACATTGCCTTTCC
TCCTCCCTCCCACAGGTGGAAGAGCTCGGGTACCAAGGAGAGGGAGAGGGAGAGGGAGAGGGAGAGGGAG
AGGAGAGGAGAGGAGATCTCAGGTGAGTTCCGATGTGCTTCGAACTTGTGTGCATGCCCTCTCTGGT
GTTCGATCTGGGCTAAGCTTAATTAAGAATTCCGATCC

Figure 5.

ATGTGGAAGAGCTCGGGTACCAAGGAGAGGGAGAGGGAGAGGGAGAGGGAGAGGGAGAGGGAGAGGA
GAGGAGATCTCAGGTGAGTTCGATGTGCTT;

GTGGAAAGAGCTCGGGTACC (N)_{0..n} TCTCAGGT (intron_{synthetic or naturally occurring}) ;

ATGTGGAAGAGCTCGGGTACC (R) \circ_n TCTCAGGT (intron_{synthetic or naturally occurring}) ;

ATGTGGAAGAGCTCGGGTACC (V)_{0..n} TCTCAGGT (intron_{synthetic or naturally occurring})

AGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGAGGAGATCTC
AGGT (intron_{synthetic or naturally occurring});

ATGG (AGAGG) ₁₋₅₀ GAGTTCGCATGTGCTT ;

ATGG (AGAGG)₁₋₅₀ (intron_{synthetic or naturally occurring})

n<500